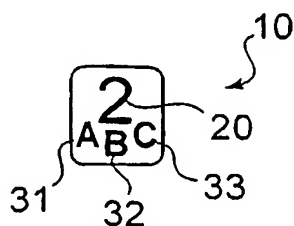
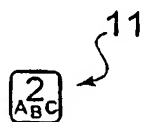


Micro Cellphone Keybutton Tops (or Keycaps)



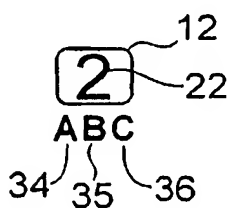
Alphabetic legend ON keycap (enlarged from actual size)

FIG. 1A



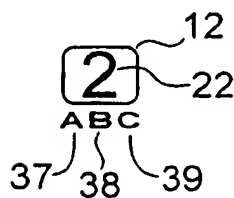
Actual size keycap

FIG. 1B



Number on keybutton top plus alphabetic legend on stretched material

FIG. 1C



When stretched material relaxed for storage, legend shrinks.
But, keybutton top stays same size.

FIG. 1D

Micro Cellphone Keyboard Operation (Shown Enlarged)

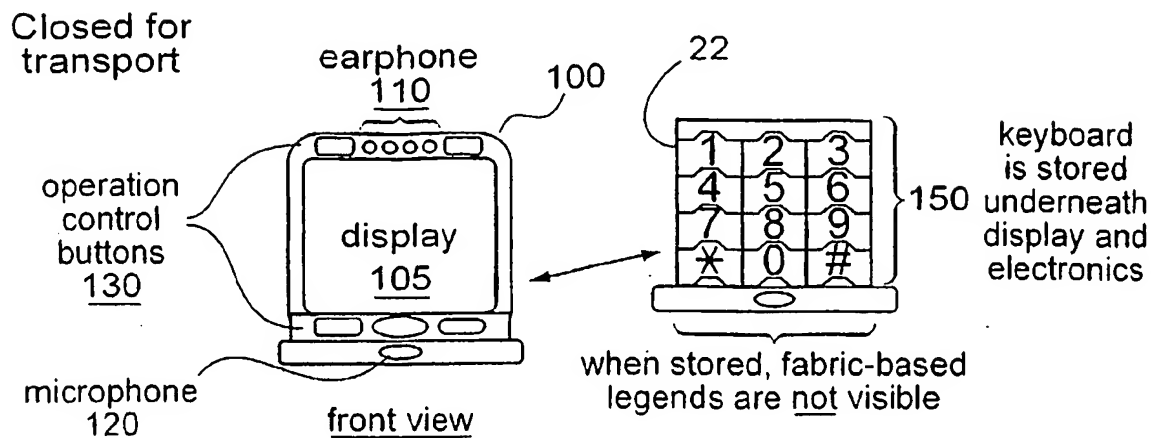


FIG. 2A

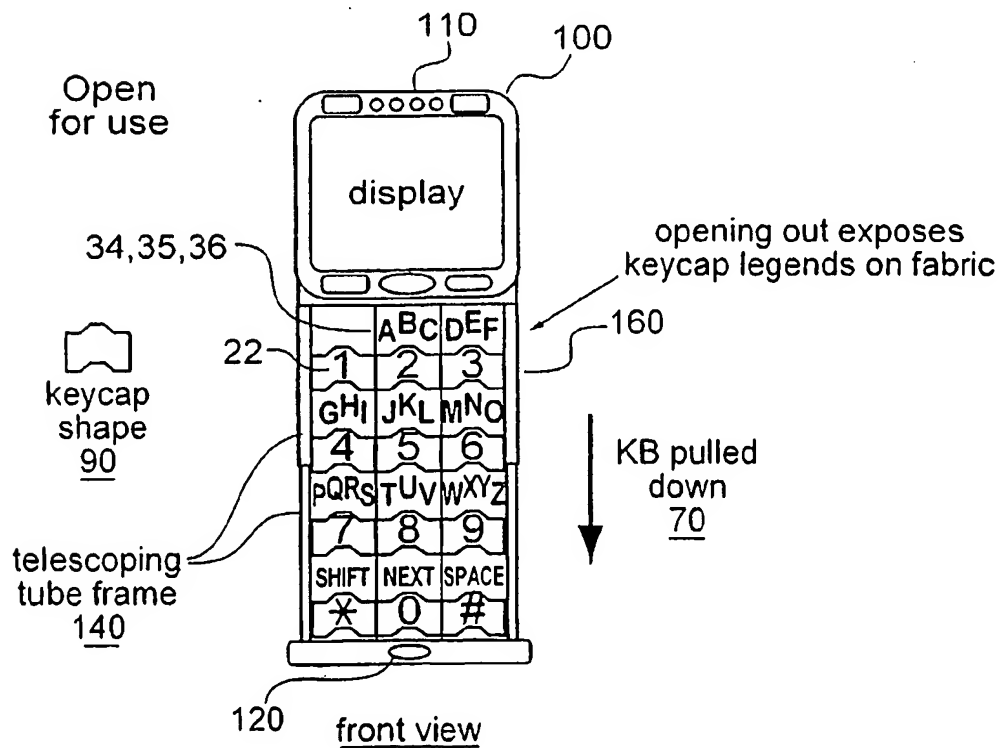
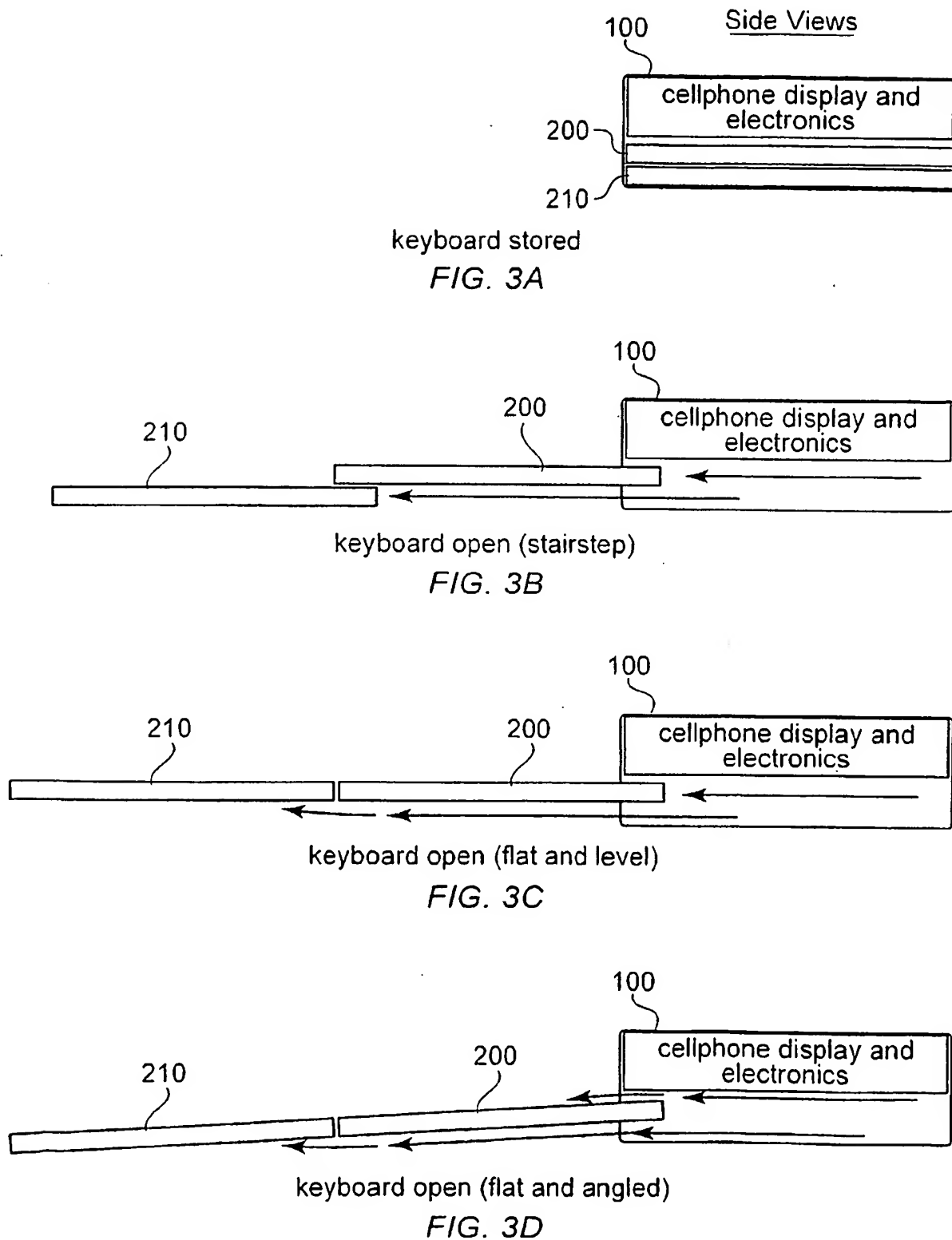


FIG. 2B

Two drawer Keyboard for micro cellphone



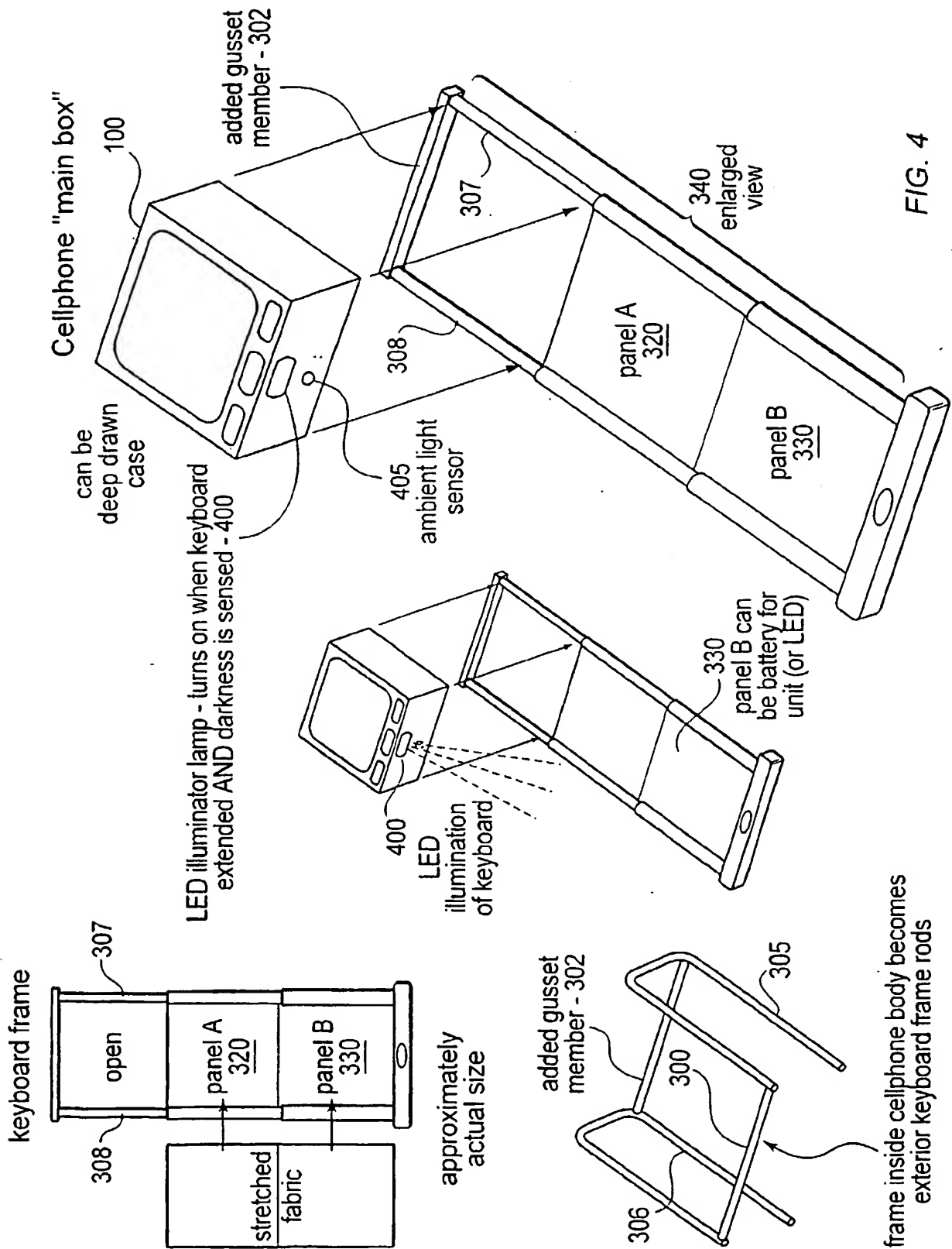
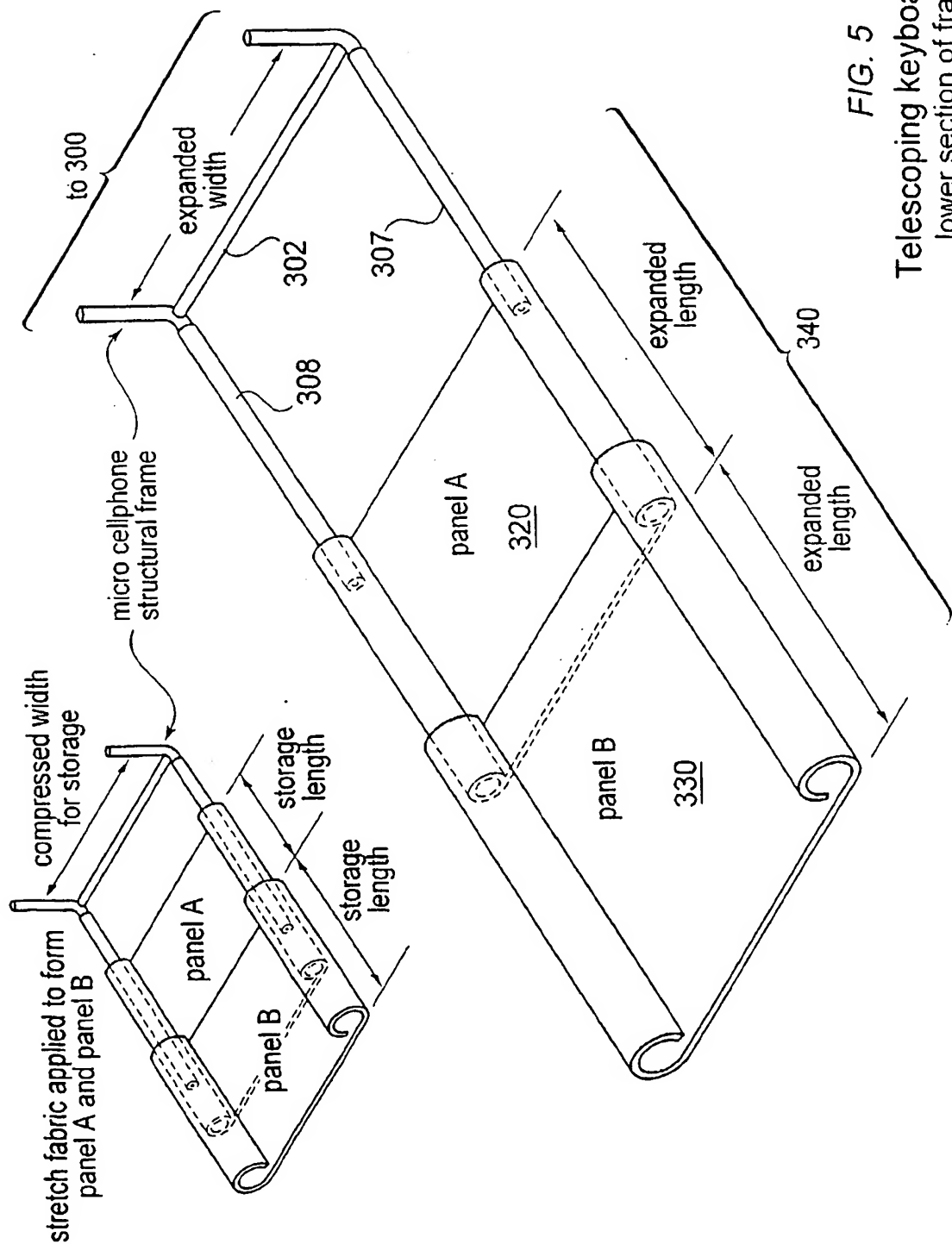
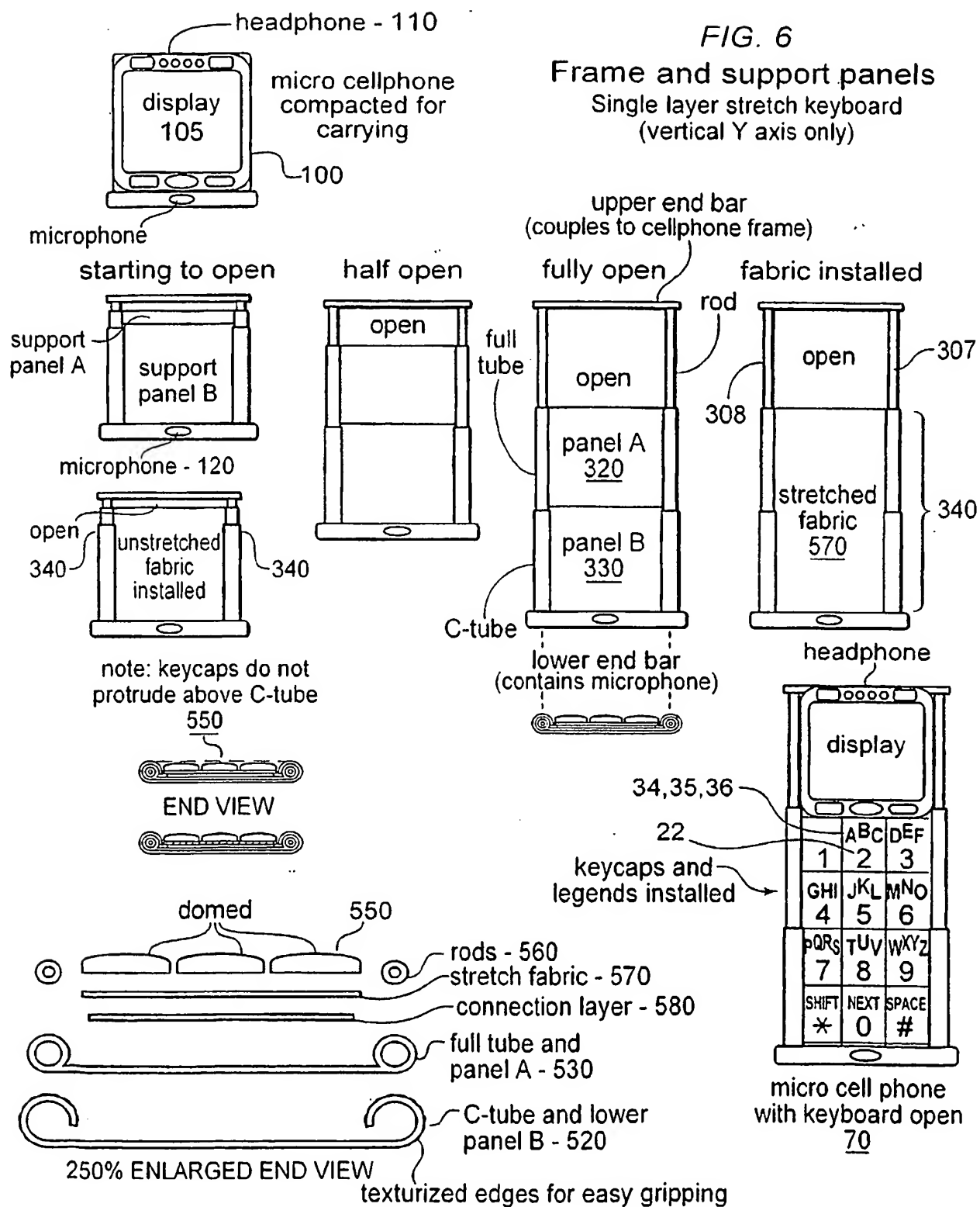


FIG. 4





Stretch keyboard for cellphone
(greatly enlarged over actual size)

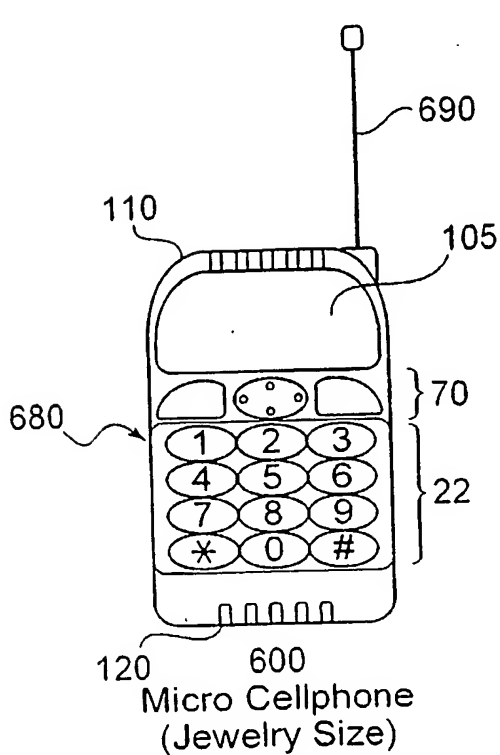


FIG. 7A

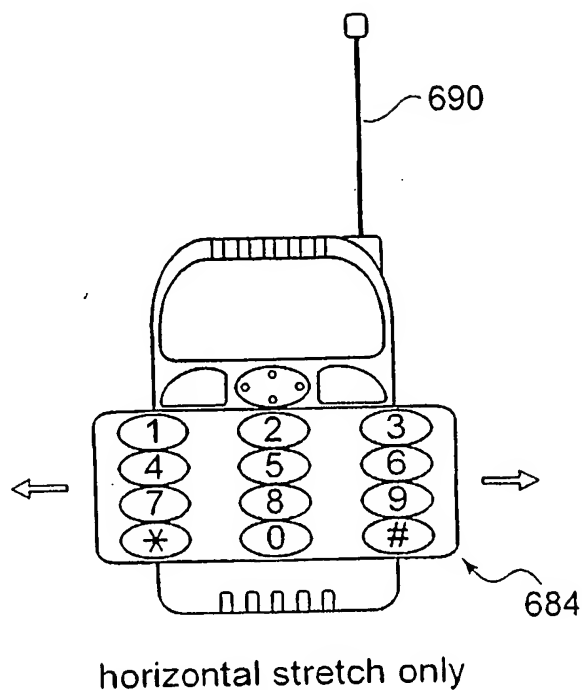


FIG. 7B

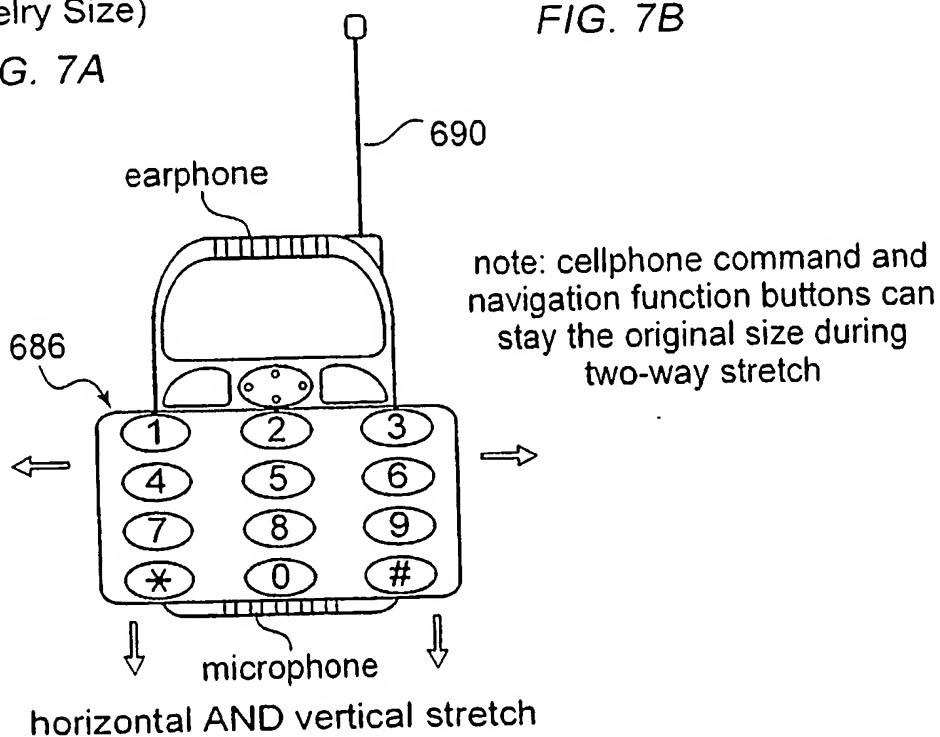
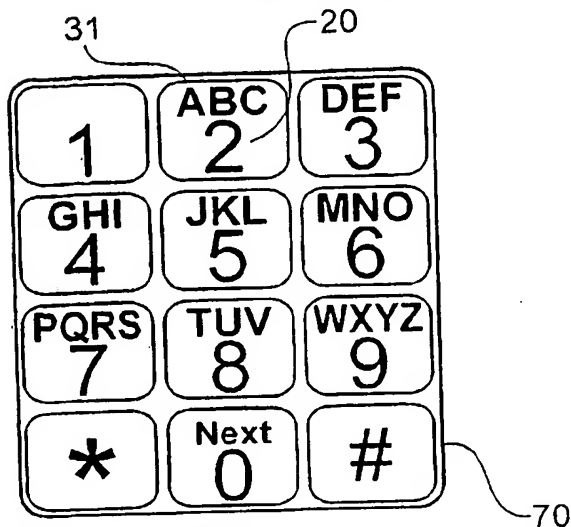


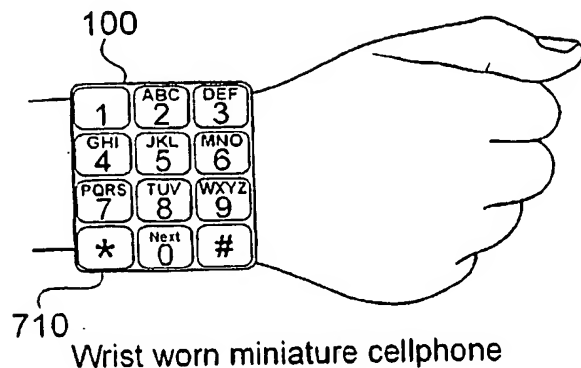
FIG. 7C

Letter assignments for numeric keys



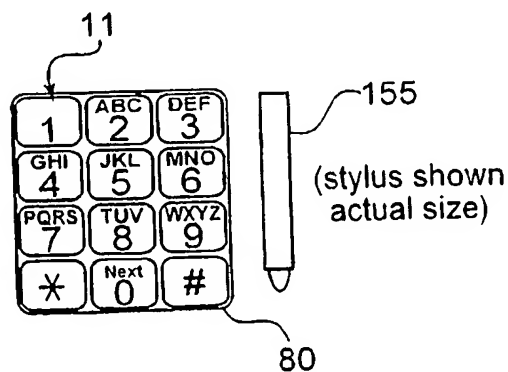
letter layout takes over available space above number, shown here twice actual size

FIG. 8A



Wrist worn miniature cellphone

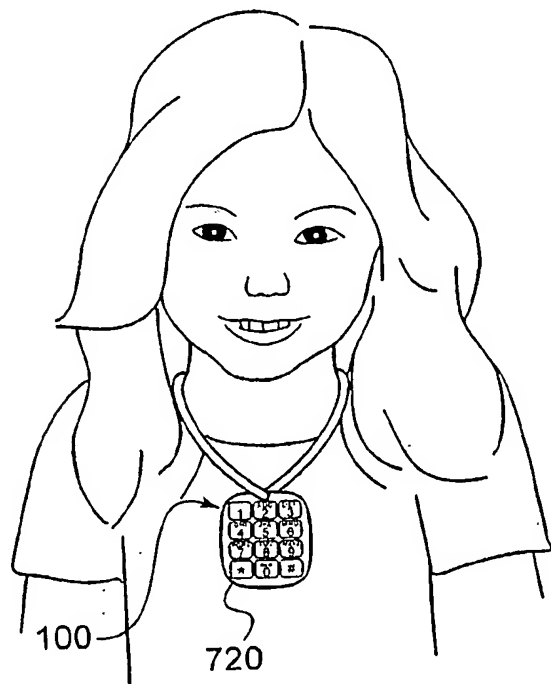
FIG. 8C



letter layout takes over entire display screen, shown here only slightly larger than actual size

FIG. 8B

letter layout takes over entire display screen, shown here twice actual size



Miniature cellphone worn as pendant

FIG. 8D

Cellphone case (can be attached to wristband or worn as pendant)

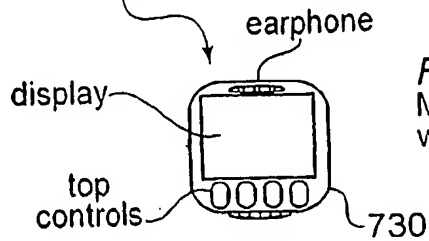


FIG. 9A
Miniature Cell Phone
with keyboard stored

FIG. 9

Miniature Cell Phone
keyboard deploys out
from storage location -
rectilinear expansion
mode shown

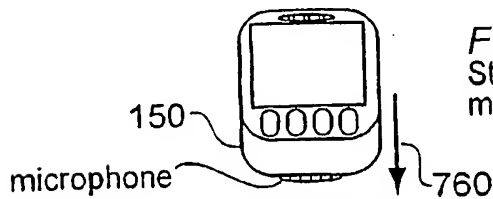


FIG. 9B
Stored keyboard
moves downward

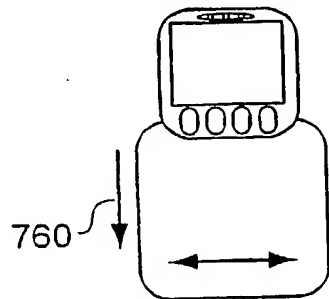


FIG. 9C
Stored keyboard continues to
move downward and begins
lateral expansion

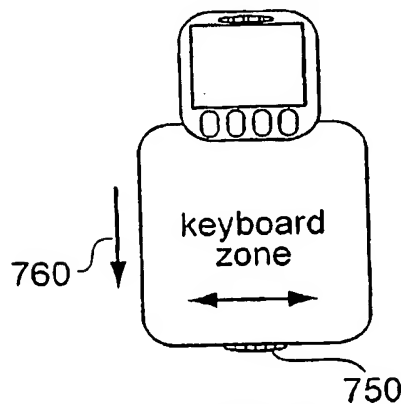


FIG. 9D
Stored keyboard completes its
move downward and completes
lateral expansion

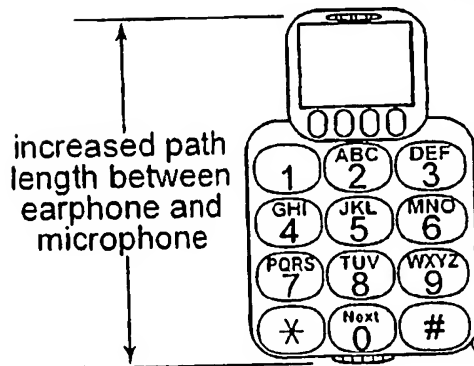


FIG. 9E
Stored keyboard has completed
its move downward and completed
lateral expansion, and the actual
keyboard is shown

Cellphone case (can be attached to wristband or worn as pendant)

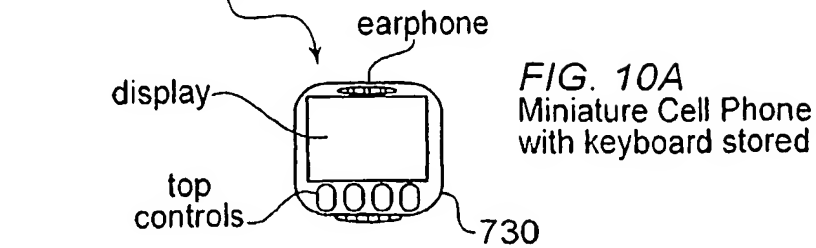


FIG. 10A
Miniature Cell Phone
with keyboard stored

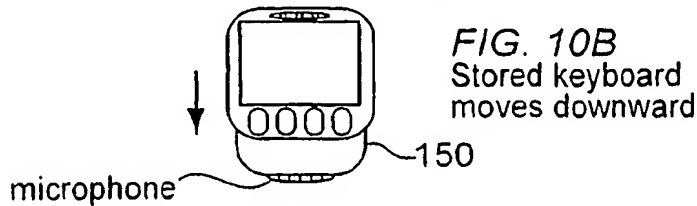


FIG. 10B
Stored keyboard
moves downward

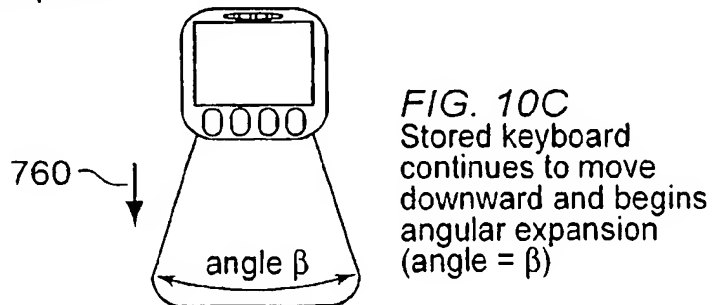


FIG. 10C
Stored keyboard
continues to move
downward and begins
angular expansion
(angle = β)

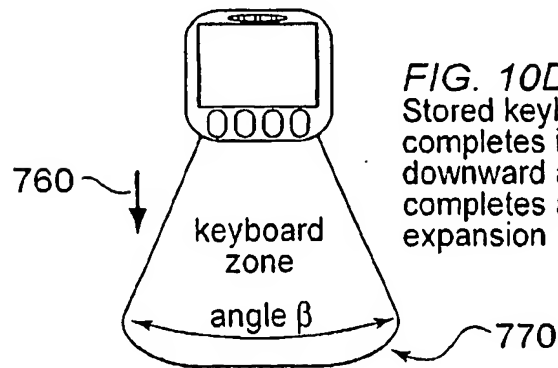


FIG. 10D
Stored keyboard
completes its move
downward and
completes angular
expansion

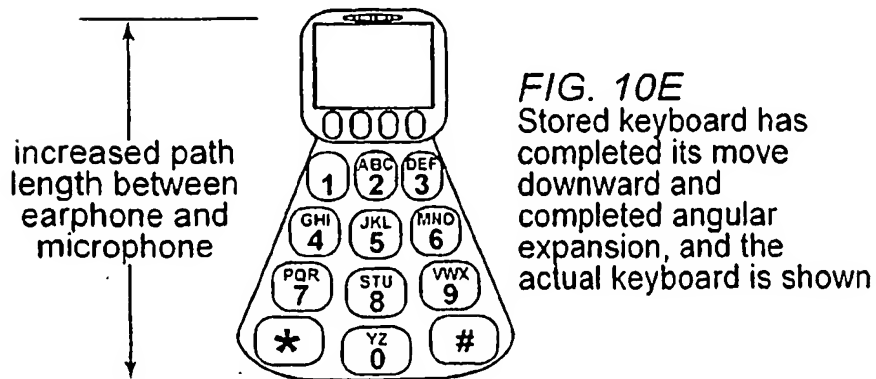


FIG. 10E
Stored keyboard has
completed its move
downward and
completed angular
expansion, and the
actual keyboard is shown

FIG. 10
Miniature Cell Phone
keyboard deploys out
from storage location -
linear and angular
expansion mode shown